

Supplemental Reserve

Additional requested analyses have been added to the Officials invoces.



WORK ORDER NUMBER: 14-07-2120

The difference is service



AIR SOIL WATER MARINE CHEMISTRY

Analytical Report For

Client: Beta Offshore

Client Project Name: Weekly NPDES Produced Water Monitoring

Attention: Marina Robertson

111 W. Ocean Blvd., Suite 1240 Long Beach, CA 90802-4633

amande Porter

Approved for release on 08/06/2014 by: Amanda Porter Project Manager



ResultLink)

Email your PM »

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted enalyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

7.44918 m 60.656 g 6.066 g 6.829 g 1.626 g 7.54 g 1.629 g 1.

NELAP ID 032200A | ACLASS Ded-ELAP ID: ADE-1864 (ISQ/IEC 17025-2005) | CSDLAC ID: 10109 | SCAQMD ID: 93LAD830



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Weekly NPDES Produced Water Monitoring

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14-07-2120

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Work Order Narrative Calscience

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Condition Upon Receipt:

Work Order: 14-07-2120

Samples were received under Chain-of-Custody (COC) on 07/31/14. They were assigned to Work Order 14-07-2120.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.



Analytical Report

Date Received: 07/31/14 Beta Offshore 111 W. Ocean Blvd., Suite 1240 Work Order: 14-07-2120 Preparation: Long Beach, CA 90802-4633 N/A **EPA 1664A** Method: Units: ma/L Project: Weekly NPDES Produced Water Monitoring Page 1 of 1 Date/Time Collected QC Batch ID Client Sample Number Lab Sample Matrix instrument Date Date/Time Prepared Number Analyzed 07/30/14 08/02/14 08/02/14 NPDES Prod. Water 14-07-2120-1-A Aqueous N/A E0802HEML1 19:53 18:00 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag. Comment(s): <u>Parameter</u> Result RL. MDL Qualifiers HEM: Oil and Grease 34.6 1.00 0.800 1.00 NPDES Prod. Water 14-07-2120-1-8 07/30/14 Aqueous N/A 08/05/14 08/05/14 E0805HEML1 19:53 16:00 Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag. Qualifiers Parameter Result SL. MQL QΕ HEM: Oil and Grease 28.0 1.00 0.800 1.00 NPDES Prod. Water 14-07-2120-1-C 07/30/14 Aqueous N/A 08/05/14 08/05/14 E0805HEML1 19:53 16:00 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag Comment(s): RL MDL. DF Qualifiers <u>Parameter</u> Result HEM: Oil and Grease 32.1 1.00 0.800 1.00 NPDES Prod. Water 07/30/14 N/A 08/05/14 08/05/14 14-07-2120-1-D E0805HEML1 Aqueous 16:00 19:53 Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag MOL Result RL DE Qualifiers Parameter HEM: Oil and Grease 28.6 1.00 0.800 1.00 08/02/14 099-05-119-3651 N/A 08/02/14 **Method Blank** N/A E0802HEML1 Aqueous 18:00 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag Comment(s): Parameter Result RL MOL DF Qualifiers HEM: Oil and Grease ND 1.0 0.80 1.00 **Method Blank** 099-05-119-3652 N/A Aqueous NIA 08/05/14 08/05/14 E0805HEML1 16:00 - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag. Comment(s): Result MDL BL DE HEM: Oil and Grease ND 1.0 08.0 1.00

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL: (714) 895-5494 · FAX: (714) 894-7501



Analytical Report

Beta Offshore Date Received: 07/31/14 111 W. Ocean Blvd., Suite 1240 Work Order: 14-07-2120 Long Beach, CA 90802-4633 Preparation: N/A Method: **EPA 200.8** Units: mg/L Page 1 of 1

Project: Weekly NPDES Produced Water Monitoring

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
NPDES Prod. Water	14-07-2120-1-E	07/30/14 19:53	Aqueous		07/31/14	08/01/14 15:11	140731L01

Comment(s): - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag. <u>Parameter</u> Result RL MDL <u>D</u>E Qualifiers Zinc 0.443 0.0250 0.00239 5.00

Method Blank	099-16-0	94-437 N/A	Aqueous	ICP/MS 04 07	/31/14 07/ 15:	31/14 140731L01 45
Comment(s):	- Results were evaluated to the MDL	(DL), concentration	ns >= to the MDL (D)L) but < RL (LOQ), I	found, are quali	led with a "J" flag.
<u>Parameter</u>		Resyll	BL.	MDL	<u>DE</u>	Qualifiers
Zinc		0.000758	0.00500	0.000479	1.00	J



RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.





Quality Control - Spike/Spike Duplicate

Beta Offshore

Date Received:

07/31/14

111 W. Ocean Blvd., Suite 1240

Work Order:

14-07-2120

Long Beach, CA 90802-4633

Preparation: Method:

EPA 1664A

N/A

Project: Weekly NPDES Produced Water Monitoring

Page 1 of 3

Quality Control Sample ID	Type		Matrix	Inst	rument	Date Prepared	Date Ana	lyzed	MS/MSD Bat	ch Number
14-07-2128-4	Sample		Aqueous	. WA		08/02/14	08/02/14	18:00	E0802HEMS	1
14-07-2128-4	Matrix Spike		Aqueous	N/A		08/02/14	08/02/14	18:00	E0802HEMS	1
14-07-2128-4	Matrix Spike	Duplicate	Aqueous	NA		08/02/14	08/02/14	18:00	E0802HEMS	1
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Cons.	MSD %Rec.	%Rec. CL	RPD	RPD.CL	Qualifiers
HEM: Oil and Grease	37.00	40.00	76.00	98	76.80	100	78-114	1	0-18	





Quality Control - Spike/Spike Duplicate

Beta Offshore 111 W. Ocean Blvd., Suite 1240 Date Received:

07/31/14

111 w. Ocean Bivd., Suite 124

Work Order:

14-07-2120

Long Beach, CA 90802-4633

Preparation: Method:

EPA 1664A

N/A

Project: Weekly NPDES Produced Water Monitoring

Page 2 of 3

Quality Control Sample ID	Туре		Matrix	Instr	ument	Date Prepared	Date Ana	lyzed	MS/MSD Bat	ich Number
14-07-2107-2	Sample		Aqueous	N/A		08/05/14	08/05/14	16:00	E0805HEMS	i1
14-07-2107-2	Matrix Spike		Aqueous	N/A		08/05/14	08/05/14	16:00	E0805HEMS	i1
14-07-2107-2	Matrix Spike	Duplicate	Aqueous	N/A		08/05/14	08/05/14	16:00	E0805HEMS	i i
Parameter	Sample Conc.	Solke Added	MS Conc.	MS VRec.	MSD Conc.	MSD %Rec.	%Rec.CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	3.900	40.00	42.60	97	42.00	95	78-114	1	0-18	







Beta Offshore

Quality Control - Spike/Spike Duplicate

Calscience

Date Received:

07/31/14

111 W. Ocean Blvd., Suite 1240 Long Beach, CA 90802-4633 Work Order:

14-07-2120

Preparation:

N/A

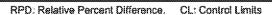
Method:

EPA 200.8

Project: Weekly NPDES Produced Water Monitoring

Page 3 of 3

Quality Control Sample ID	Туре		Matrix	Inst	rument	Date Prepared	Date Ana	lyzed	MS/MSD Ba	ich Number
14-07-2085-2	Sample		Aqueous	ICP	/MS 03	07/31/14	07/31/14	15:43	140731501	
14-07-2085-2	Matrix Spike		Aqueous	ICP	/MS 03	07/31/14	07/31/14	15:38	140731501	
14-07-2085-2	Matrix Spike	Duplicate	Aqueous	ICP	/MS 03	07/31/14	07/31/14	15:42	140731801	
Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSO Conc.	MSD %Rec.	%Rec.CL	RPQ	RPD CL	Qualifiers
Zinc	0.2335	0.1000	0.3414	108	0.3378	104	80-120	1	0-20	







Quality Control - LCS/LCSD

Calscience

Beta Offshore

111 W. Ocean Blvd., Suite 1240

Long Beach, CA 90802-4633

Date Received:

Work Order:

Preparation:

Method:

07/31/14

14-07-2120

N/A

EPA 1664A

Page 1 of 3

Project: Weekly NPDES Produced Water Monitoring

Quality Control Sample ID	Туре	Mat	rix	Instrument	Date Prepar	ed Date	Analyzed	LCS/LCSD E	Batch Number
099-05-119-3651	LCS	Aqı	ieous	N/A	08/02/14	08/0	2/14 18:00	E0802HEML	.1
099-05-119-3651	LCSD	Aqu	ieous	N/A	08/02/14	08/0	2/14 18:00	E0802HEML	1
<u>Parameter</u>	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %	Rec. CL	RPQ	RPD CL	Qualifiers
HEM: Oil and Grease	40.00	38.50	96	38.80	97 78	-114	1	0-18	







Beta Offshore

Quality Control - LCS/LCSD

Date Received:

07/31/14

111 W. Ocean Blvd., Suite 1240

Work Order:

14-07-2120

N/A

Long Beach, CA 90802-4633

Preparation: Method:

EPA 1664A

Project: Weekly NPDES Produced Water Monitoring

Page 2 of 3

Quality Control Sample ID	Туре	Mal	rix	Instrument	Date Pr	epared Date	Analyzed	LCS/LCSD E	Batch Number
099-05-119-3652	LCS	Aqı	Jeous	N/A	08/05/1	4 08/0	5/14 16:00	E0805HEML	.1
099-05-119-3652	LCSD	Aqı	Jeous	N/A	08/05/1	4 08/0	5/14 16:00	E0805HEML	.1
Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPO CL	Qualifiers
HEM: Oil and Grease	40.00	39.30	98	38.70	97	78-114	2	0-18	







Quality Control - LCS

valscience

Beta Offshore

111 W. Ocean Blvd., Suite 1240

Long Beach, CA 90802-4633

Date Received:

Work Order:

Preparati Method:

Preparation:

07/31/14

14-07-2120

N/A

EPA 200.8

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Project: Weekly NPDES Produced Water Monitoring

Quality Control Sample ID	Туре	Matrix				CS Batch Number
099-16-094-437	LCS	Aqueous		7/31/14 07		
<u>Parameter</u>		Spike Added	Conc. Recovered	LCS %Rec.	%Rec_C	L Qualifiers
Zinç		0.1000	0.1128	113	80-120	



Sample Analysis Summary Report

Work Order: 14-07-2120				Page 1 of 1
<u>Method</u>	Extraction	<u>Chemist ID</u>	<u>Instrument</u>	Analytical Location
EPA 1664A	N/A	691	N/A	1
EPA 200.8	N/A	598	ICP/MS 04	1

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841



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Calscience

Glossary of Terms and Qualifiers

Vork Order:	14-07-2120	Page 1 of 1
Qualifiers	<u>Definition</u>	
*	See applicable analysis comment.	
<	Less than the indicated value.	
>	Greater than the indicated value.	
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the samp clarification.	ole data was reported without further
2	Surrogate compound recovery was out of control due to matrix interference. The associated method bia in control and, therefore, the sample data was reported without further clarification.	nk surrogate spike compound was
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to associated LCS recovery was in control.	suspected matrix interference. The
4	The MS/MSD RPD was out of control due to suspected matrix interference.	
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected	d matrix interference.
8	Surrogate recovery below the acceptance limit.	
7	Surrogate recovery above the acceptance limit.	
8	Analyte was present in the associated method blank.	
BU	Sample analyzed after holding time expired.	
₿V	Sample received after holding time expired.	
E	Concentration exceeds the calibration range.	
ET	Sample was extracted past end of recommended max, holding time.	
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.	
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified stan were also present (or detected).	dard but heavier hydrocarbons
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified stan also present (or detected).	dard but lighter hydrocarbons were
ij	Analyte was detected at a concentration below the reporting limit and above the laboratory method detect estimated.	ction limit. Reported value is
JA	Analyte positively identified but quantitation is an estimate.	
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the m	ean).
ND	Parameter not detected at the indicated reporting limit.	
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sar concentration by a factor of four or greater.	nple exceeding the spike
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.	
Х	% Recovery and/or RPD out-of-range.	
Z	Analyte presence was not confirmed by second column or GC/MS analysis.	
	Solid - Unless otherwise Indicated, solid sample data is reported on a wet weight basis, not corrected for reported on a wet weight basis.	% moisture. All QC results are
	A CONTRACTOR OF THE CONTRACTOR	

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

Retiim to Contents

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ITS Environmental Inc.	ř	٥	Marina Robertson	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Will to: Manna Robertson	ricon Los	
704 Adirondack Avenue Ventura, CA 93003			111 W. Ocean Blvd. Suite 1240 Long Beach, CA. 90802	uite 1240 2	111 W. Ocean Blvd. Sulte 1240 Long Beach, CA 90802	n Blvd. Sulf CA 90802	3 1240
805-844-456	332			SIBANTED	SIRMITTED TO: Calscience	HO NE	714-895-5494
	All Ch		***************************************	REPORT TO	Marina Robertson	PHONE:	562-683-3497
SAMPLER NAME: D.M. K.D.M.		rad Mata	Drawing Water Monitoring	COPIES TO:	1		562-606-5705
PROJECTIONANCE * WEEKN WELL			\$5.00 \$ 10 5.00 \$ 10 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.00 \$ 5.		S.G.Lawry @ LTS	PHONE	805-644-4560
ii i	E-MAIL	× × × × × × × × × × × × × × × × × × ×	mrobertson@betaoffshore.com	lore.com	704 Adirondack, Ventura,	CA 93003	
SAMPLE SAMPLE ID	8 G	NOLUME:	DATE/TIME	PRESERV.	ANALYSES REQUESTED (METHOD)	XJESTED (ME	GOLL
A NOTES Pmd Water	ges6	1 L amber	7-30-14 1957	₹ \$	Oil & Grease (EPA 1664)		***************************************
NDDES Prod Water	qe/6	1 L amber	1.00.E	<u>ā</u>	Oll & Grease (EPA 1664)		Hold
Sample Mater	quag	1 L amber	7-30-W 1953	7	Oil & Grease (EPA 1664)		Hold
4 NPDES Prod.Water	grab	1 L amber	211 h-a-t	P	Oil & Grease (EPA 1664)		Hold
S NPDES Prod.Water	ges5	200-500 ml	179 M-06-F	HNO3	Zinc (EPA 200.8)	Report MDLs and PQLs	and PQLs
			`		•		
Caution to Sample (Collector: al	ll sample b	Caution to Sample Collector: all sample bottles contain a concentrated acid preservative.	trated acid	preservative. Follow all procedures	rocedures	000000000000000000000000000000000000000
oullined in your NPD	ES manual ar -	foud esn pu	oer PPE when collectini. -	d the sample	ý		
Comments: For Samples 1-4: Analyze Sampl	nalyze Samp	18 #1 only	e #1 only - hold other samples until further notice		r notice.		
	999900000000000000000000000000000000000	*94:54:	27.8/6:	Relinguished by:	by: 100 110	888000000000000000000000000000000000000	Date: 7/81/14
Relinquished by: Received by: Marchine Marchine		Time:		Received by:	ON THE BEST		Tme: 15: 45
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Cooler	- (of	
	*****		CONTRACTOR OF

SAMPLE RECEIPT FURI	VII C	:ooler	of				
CLIENT: BGTA OFFS HOLE	DATE:_	07/3(/14				
TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen e	xcept se	dim eŋt/ti ss	ue)				
Temperature $2.3^{\circ}C \cdot 0.3^{\circ}C$ (CF) = $2.0^{\circ}C$ \square (Blank	☑ Samp	le				
☐ Sample(s) outside temperature criteria (PM/APM contacted by:)							
☐ Sample(s) outside temperature criteria but received on ice/chilled on same day	of sampl	ing.					
☐ Received at ambient temperature, placed on ice for transport by Cour	ier.						
Ambient Temperature: □ Air □ Filter		Checked	ьу: <u>676</u>				
CUSTODY SEALS INTACT:							
□ Cooler □ □ No (Not Intact) ☐ Not Present	□ N/A	Checked I	by: <i>[<u>Д</u>Т<u>А</u></i>				
□ Sample □ □ No (Not Intact) ☑ Not Present		Checked I	oy: <u>65</u> 7				
SAMPLE CONDITION: Ye	······································	No	N/A				
Chain-Of-Custody (COC) document(s) received with samples	(,,,,						
COC document(s) received complete	编加	Z'	О				
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.							
☐ No analysis requested. ☑ Not relinquished. ☐ No date/time relinquished.							
Sampler's name indicated on COC		Ξ,					
Sample container label(s) consistent with COC	9	æ					
Sample container(s) intact and good condition							
Proper containers and sufficient volume for analyses requested							
Analyses received within holding time							
Aqueous samples received within 15-minute holding time							
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen ☐)		ø				
Proper preservation noted on COC or sample container	1						
☐ Unpreserved vials received for Volatiles analysis			/				
Volatile analysis container(s) free of headspace]		ø				

CONTAINER TYPE:					
Solid: FIAnzCGJ FIRozCGJ	E16ozCG.L	MSleeve (1	□EnCores®	m,

Tedlar bag(s) free of condensation...... □

Solid:	□402	zCGJ	□8ozC	:GJ []16oz	CGJ	□Sle	eve ()		IEnCore	S®	□Ter	raCore	es [®] □		
Aqueo	us: 🗆	I AOVE	□VOAh	□VO	Ana₂ l	□125/	AGB C]125A	GBh i	□12	25AGBp		IAGB	□1А	GBna ₂	zía,	3B

□500AGB	□500AGJ	□500AGJs	□250AGB	□250CGB	□250CGBs	□1PB	□1PBna	□500PB
	Lanan .m	, a com page 1	kar baar baar kuud	A & POOR 1 POOR 8	April 1005	60000		goons

□250PB	ZÍ250PBnų□125PB	□125PBznna	□100PJ	□100PJna ₂			O
Δir· ΠΤε	dlar [®] ⊟Canister ∩th i	ar- M 1	Trin Alant	l otti:	lah	eled/Checked	nv. 650

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ u: Ultra-pure znna: ZnAc₂+NaOH f: Filtered Scanned by:

SOP T100_090 (06/02/14)





WORK ORDER #: 14-07- 모 [고 [

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS: Comments:					
□ Sample(s) NOT RECEIVED but listed on COC □ Sample(s) received but NOT LISTED on COC □ Holding time expired – list sample ID(s) and test □ Insufficient quantities for analysis – list test □ Improper container(s) used – list test □ Improper preservative used – list test □ No preservative noted on COC or label – list test & notify lab □ Sample labels illegible – note test/container type □ Sample label(s) do not match COC – Note in comments □ Sample ID □ Date and/or Time Collected □ Project Information □ # of Container(s)					
☐ Analysis					
□ Sample container(s) compromised – Note in comments					
☐ Water present in sample container					
☐ Broken ☐ Sample container(s) not labeled					
☐ Air sample container(s) not labeled ☐ Air sample container(s) compromised – Note in comments					
☐ Flat					
□Very low in volume					
☐ Leaking (Not transferred - duplicate bag submitted)					
☐ Leaking (transferred into Calsclence Tedlar [®] Bag*)					
☐ Leaking (transferred into Client's Tedlar [©] Bag*)					
□ Other:					
HEADSPACE – Containers with Bubble > 6mm or ¼ inch:					
Sample # Container # of Vials Sample # Container ID(s) # of Vials Sample # Container # of Cont. Analysis ID(s) Received Received ID(s)					
Comments:					
*Transferred at Client's request. Initial / Date: 489 07 /3 / /14					

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